003216589045 (EU)
0203393 8531 (UK)
(408)780-0908 (US)
info@gentaur.com
www.caslab.com

QuicKey Pro Rabbit E2 (Estradiol) ELISA Kit

Cat #: G-EC-06087

Species: Rabbit

Sensitivity: 5.65pg/mL

Type: Competitive

Range: 15.63~1000pg/mL

Detection: Colormetric

Duration: 1.5h

Principle:
This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Bovine Cortisol. Samples (or Standards) and Horseradish Peroxidase (HRP) linked antibody specific for Bovine Cortisol are added to the micro ELISA plate wells. Bovine Cortisol in samples (or standards) competes with a fixed amount of Bovine Cortisol on the solid phase supporter for sites on the HRP linked detection antibody specific to Bovine Cortisol. Excess conjugate and unbound sample or standard are washed from the plate. The substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450±2 nm. The concentration of Bovine Cortisol in the samples is then determined by comparing the OD of the samples to the standard curve.

Specificity:
This kit recognizes Rabbit E2 in samples. No significant cross-reactivity or interference between Rabbit E2 and analogues was observed.

UniProt ID:

Gene: E2

Synonyms: Oestradiol; E2; 17-Estradiol; Estra-1, 3, 5 (10) -triene-3, 17-diol

Specimen: Serum and plasma

Application: This ELISA kit applies to the in vitro quantitative determination of Rabbit E2 concentrations in Serum and plasma.

Research Areas: Cell biology, Metabolism

Storage:
An unopened kit can be stored at 2-8°C for 6 months. After test, the unused wells and reagents should be stored according to the storage table in the manual.